Listing of Claims:

This listing of claims reflects all claim amendments and replaces all prior versions, and listings, of claims in the application. Material to be inserted is in **bold and underline**, and material to be deleted is in ~~strikeout~~.

1.   (previously presented) A method of processing material comprising

providing a material list for a product,

loading the material list into a job manager,

moving the material list into a spreadsheet,

selecting a field in the spreadsheet,

downloading the selected field of data to an optimizer,

selecting a piece of wood material for processing,

inputting data to the optimizer indicating location of defects in the wood material, and

determining a processing plan for the wood material including excluding the defects and optimizing use of the remaining material according to the selected field of data.

2.   (original) The method of claim 1 further comprising

editing data in the selected field prior to the downloading step.

3.   (cancelled)

4.   (previously presented) The method of claim 1 further comprising the step of operating a saw to cut stock material according to data received by the optimizer.

5.   (original) The method of claim 1 wherein the material list includes a cut list of wood dimensions for a product.

6.   (original) The method of claim 1 further comprising

sorting data in the spreadsheet by field prior to the downloading step.

7.   (previously presented) The method of claim 1 further comprising

performing a mathematical function on selected data in the spreadsheet prior to the downloading step.

8.   (previously presented) An apparatus for carrying out material processing comprising

a computer including a job manager program configured to receive a data file including a cut list of wood pieces for a product, to display the cut list in a spreadsheet, and to permit editing, and sorting data by field,

a saw system for cutting wood including a defect locator configured to input data to the saw system indicating location of defects in a wood piece prior to cutting, and

an optimizer capable of determining an optimal way of cutting a piece of wood by excluding defects and utilizing remaining wood to satisfy cut list requirements, and

a downloading mechanism enabling transfer of selected data from the job manager to the optimizer.

9.   (cancelled)

10.   (New) A method of processing material comprising

providing a material list for a product,

loading the material list into a job manager,

moving the material list into a spreadsheet,

selecting a field in the spreadsheet,

multiplying data in the field by a factor,

downloading the selected field of data to an optimizer,

downloading the multiplied data from the field to an optimizer,

selecting a piece of wood material for processing,

inputting data to the optimizer indicating location of defects in the wood material,

and

determining a processing plan for the wood material including excluding the defects and optimizing use of the remaining material according to the selected field of data.